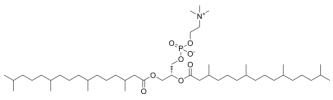
DPhPC

Cat. No.:	HY-143202
CAS No.:	207131-40-6
Molecular Formula:	$C_{48}H_{96}NO_8P$
Molecular Weight:	846.25
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3.57 mg/mL (4.22 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.1817 mL	5.9084 mL	11.8168 mL
5 mM	---	---	---
10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

DPhPC is a phospholipid used to synthesize bilayer vesicles. DPhPC bilayers do not permit ions to leak in the absence of a pore/ion channel, which can be used for studies on channel proteins[1][2].

REFERENCES

[1]. Schmidt D, et, al. A gating model for the archeal voltage-dependent K(+) channel KvAP in DPhPC and POPE:POPG decane lipid bilayers. J Mol Biol. 2009 Jul 31;390(5):902-12.

[2]. Andersson M, et, al. Vesicle and bilayer formation of diphytanoylphosphatidylcholine (DPhPC) and diphytanoylphosphatidylethanolamine (DPhPE) mixtures and their bilayers' electrical stability. Colloids Surf B Biointerfaces. 2011 Feb 1;82(2):550-61.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA